Pradeep Singh

pradeepsinghsolanki36@gmail.com | 6386121819 | website | linkedin | github | leetcode

Education

Galgotias College of Engineering and Technology, B.Tech (IT)   Nov 2022 - August 2026
- **Coursework:** OOPS, DBMS, Cloud Computing, Software Project Management

Projects

Movie Ticket Booking System *Personal Project*

- **Architected** a robust backend utilizing **Spring Boot** and **Hibernate**, optimizing queries for checking real-time seat availability across multiple theater halls.
- Developed a responsive **Next.js** frontend with **Tailwind CSS**, utilizing reusable components like movie cards and tickets to ensure code modularity and maintainability
- Managed full **SDLC** from database design to REST API implementation and frontend integration.
- **Tech Stack:** Java (Spring Boot), PostgreSQL, Hibernate, Next.js (App Router), TypeScript

Klay Kolor - Color Prediction Game *Personal Project*

- Built a multiplayer real-time color prediction game platform with **React.js, Node.js, and Socket.IO**, supporting different live game modes and synchronized state updates.
- Engineered robust **WebSocket**-based architecture for bidirectional communication, managing concurrent game sessions, and dynamic round transitions with seamless UI updates.
- Developed a **Socket.IO** server with event-driven logic to manage real-time predictions, game phases, and result announcements, supporting hundreds of concurrent users.
- Built **RESTful APIs** for user balance management, game history retrieval, and transaction processing, integrated persistent storage using **MongoDB** with **query optimization**.

The Karigar - Home Decor Portfolio *Client Project*

- Built a responsive website using **Next.js (App Router)**, and **Tailwind CSS with Shadcn/UI** for a modern, accessible design.
- Integrated **Sanity.io CMS** to dynamically manage blogs, projects, and testimonials.

Skills

- **Languages:** Java, TypeScript, JavaScript, Python, C/C++, SQL, HTML, CSS
- **Frameworks and Libraries:** Spring Boot, Express.js, Node.js, FastAPI, Next.js, React.js, Web Sockets
- **Databases and ORMs:** PostgreSQL, MongoDB, Hibernate, Prisma, SQLModel
- **Artificial Intelligence:** LangGraph, LangChain
- **Tools:** Git, GitHub, Postman, Hoppscotch.io, Sanity.io(CMS)
- **Other Skills:** Communication, Team Collaboration, *Prompt Engineering*